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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/541,756	07/08/2005	Kazumi Shiikuma	Q88894	3893
23373 7590 03/02/2007 SUGHRUE MION, PLLC 2100 PENNSYLVANIA AVENUE, N.W. SUITE 800 WASHINGTON, DC 20037			EXAMINER	
			MOTTOLA, STEVEN J	
			ART UNIT	PAPER NUMBER
			2817	
SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MO	NTHS	03/02/2007	PAF	PER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)				
	10/541,756	SHIIKUMA ET AL.				
Office Action Summary	Examiner	Art Unit				
	Steven J. Mottola	2817				
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	N. mely filed I the mailing date of this communication. ED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on	•					
,— ,	s action is non-final.					
3) Since this application is in condition for allowa						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4)⊠ Claim(s) <u>3,6 and 7</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s)is/are allowed.						
6)⊠ Claim(s) <u>3 and 7</u> is/are rejected.						
7) \boxtimes Claim(s) <u>6</u> is/are objected to.						
8) Claim(s) are subject to restriction and/o	or election requirement.					
Application Papers						
9) ☐ The specification is objected to by the Examine	er.					
10)⊠ The drawing(s) filed on <u>08 July 2005</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) ☐ The oath or declaration is objected to by the E	xaminer. Note the attached Office	e Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1 Certified copies of the priority document 		ı)-(d) or (f).				
2. Certified copies of the priority documents have been received in Application No						
 Copies of the certified copies of the price application from the International Burea 		ed in this National Stage				
* See the attached detailed Office action for a list of the certified copies not received.						
	•					
Attachment(s)						
1) Notice of References Cited (PTO-892)	4) 🔲 Interview Summary					
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 070805,022806. 	Paper No(s)/Mail D 5) Notice of Informal I 6) Other:	Date				
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Application/Control Number: 10/541,756

Art Unit: 2817

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 3 & 7 are rejected under 35 U.S.C. 102(b) as being anticipated by Cripps, (the excerpt dated 1999).

Refer to fig. 8.9(a) and the description beginning at the top of p. 237 of the excerpt. A Doherty amplifier is disclosed including an input terminal (leftmost node of figure) which is directly connected to an input branching means (node dividing the signal into two paths) feeding the signal to a main amplifier which may be read as the carrier amplifier claimed and an auxiliary amplifier that may be read as the peak amplifier claimed. Their outputs are combined at the rightmost node. The attenuator Atten. is diposed in the path before the auxiliary amp and may be read as the gain compensator claimed. It is controlled so as to control the gain in the path in accordance with the input signal by Atten. driver. Both amps may have the same characteristics (see 2nd paragraph of p. 237) which will result in the auxiliary amplifier having a less than ideal gain, and the effective transconductance of the auxiliary amplifier will be set according to whether the input signal exceeds the '6 db backoff point' which may be read as the claimed predetermined level, here being set assuming an actual transconductance of the aux amp the same as the main amp, which meets the last phrase of claim 3. See the third paragraph of p. 237.

Application/Control Number: 10/541,756

Art Unit: 2817

Regarding claim 7, the first paragraph of page 236 and the top of page 238 indicate that the use of FETs is contemplated by Cripps.

Claim 6 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The particular gain compensator structure claimed is not shown by Cripps.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Kijima discloses controlling the gain of the peaking amplifier of a Doherty amplifier in fig. 3 using the input signal level. However, it is not done via a gain compensator placed before the peaking amplifier. Stengel et al. disclose in fig. 14 a Doherty amplifier having a phase compensation network connected to the input of the peaking amplifier and controlled in accordance with the output thereof.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven J. Mottola whose telephone number is 571-272-1766. The examiner can normally be reached on M-Th from 8 to 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert J. Pascal, can be reached on 571-272-1769. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

Application/Control Number: 10/541,756

Art Unit: 2817

Page 4

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